

IFW

Docket No.: 50024-024



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
Seiichi BANBA : Confirmation Number: 9978  
Serial No.: 10/810,833 : Group Art Unit: 2817  
Filed: March 29, 2004 : Examiner: Unknown  
For: VARIABLE GAIN DIFFERENTIAL AMPLIFIER AND MULTIPLICATION CIRCUIT

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

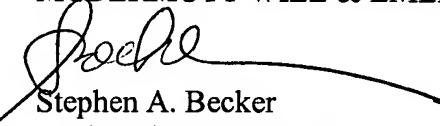
Each English and non-English language reference, listed on the attached PTO-1449, were first cited in two attached corresponding Japanese office action and its relevance discussed

therein. A copy of the two Japanese office actions, together with an English language versions thereof, are attached for the Examiner's information.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT WILL & EMERY LLP

  
Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 SAB:tlg  
Facsimile: (202) 756-8087  
**Date: June 30, 2004**



SHEET 1 OF 1

**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

(PTO-1449)

ATTY. DOCKET NO.  
**50024-024**SERIAL NO.  
**10/810,833**APPLICANT  
**Seiichi BANBA**FILING DATE  
**March 29, 2004**GROUP  
**2817****U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US	5,828,265	10/27/1998	Mensink et al	Correspondence to JP 11-509711
	US	5,210,504	5/11/1993	Yagita et al.	Correspondence to JP 4-345305
	US				

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number & Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
		JP 8-256039	10/1/1996	HITACHI LTD		w/English Abstract	
		JP 11-168334	6/22/1999	HITACHI LTD		w/English Abstract	
		JP 5-31349	4/23/1993	—		Partial English Translation	
		JP 4-345305	12/1/1992	—		Correspondence to U.S. 5,210,504	
		JP 58-204614	11/29/1983	TOSHIBA CORP		w/English Abstract	
		JP 11-509711	8/24/1999	—		Correspondence to U.S. 5,828,265	

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.